#### DEPARTMENT OF AGRICULTURE UNITED STATES

## SERVICE AND REGULATORY ANNOUNCEMENTS

BUREAU OF ANIMAL INDUSTRY

AUGUST, 1932

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may purchase them from the Superintendent of Documents, Government Printing Office, Washington, D. C. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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### CHANGES IN DIRECTORY

### Meat Inspection Granted

170. The Best Foods (Inc.), 2810 South Kilbourne Avenue, Chicago, Ill., and Northern Cocoanut Products Corp. ‡257-A. Louis Burk (Inc.), 2066 East Tioga Street, Philadelphia, Pa., and

Henry Strecker (Inc.).

### Meat Inspection Withdrawn

2-V. Armour & Co., 248 West Commerce Street, Youngstown, Ohio. 3-UU. Swift & Co., Pacific and Davis Streets, San Francisco, Calif. 201. Henry Strecker (Inc.), 2066 East Tioga Street, Philadelphia, Pa.

### Horse-Meat Inspection Withdrawn

E-55. Hugo Strauss Packing Co. (Inc.), 280 Johnson Avenue, Brooklyn, N. Y.

## Withdrawn from Subsidiary

Chas. Wolff Packing Co., under establishments 235, Chicago, Ill., and 258, Buffalo, N. Y., Hygrade Food Products Corp.

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### Meat Inspection Extended

- 20. Wilson & Co., New York, N. Y., to include Empire Beef & Provision Co.
- 20-A. Wilson & Co., Kansas City, Kans., to include Empire Beef & Provision Co.
- 20-C. Wilson & Co., Chicago, Ill., to include Empire Beef & Provision Co. 20-Q. Wilson & Co., Oklahoma City, Okla., to include Empire Beef & Pro-
- vision Co.
- 20-Y. Wilson & Co., Albert Lea, Minn., to include Atlantic Lard Co., Empire Provision & Produce Co., and Empire Beef & Provision Co.
  111. Wilson & Co., Cedar Rapids, Iowa, to include Empire Beef & Provi
  - sion Co.
  - 119. Wilson & Co., Los Angeles, Calif., to include Empire Beef & Provision Co., and T. M. Sinclair & Co. (Ltd.).
    235. Hygrade Food Products Corp., Chicago, Ill., to include Sullivan Packing Co. and Begley Food Products Co.
    258. Hygrade Food Products Corp., Buffalo, N. Y., to include Sullivan Packing Co. and Begley Food Products Co.
    507. Fred Eckart Packing Co. (Inc.), Fort Wayne, Ind., to include Kuhner Packing Co.

  - Packing Co.

### Change in Name of Official Establishment

- †785. Krainin's Kosher Provision Co., 1115 Fleeman Avenue, Brooklyn, N. Y., instead of Krainin's Kosher Sausage Factory (Inc.). 960. N. Y. State Packing Co. (Inc.), South Kortright, N. Y., instead of
  - Valley Packing Co.

### Change in Address of Official in Charge

- Dr. R. W. Culbert, 411-413 Customhouse Building, Baltimore, Md., instead
- of 102-104 Customhouse Building. Mr. H. L. Bollinger, care Great Atlantic & Pacific Tea Co., Hubbard Road and Albert Street, Youngstown, Ohio, instead of care Armour & Co., 248 W. Commerce Street.

### Change of Official in Charge

- Dr. J. B. Thompson succeeds Dr. M. W. McGuire as inspector in charge at
- Joplin, Mo. Dr. M. W. McGuire succeeds Dr. M. L. Crans as inspector in charge at Terre Haute, Ind.

## Note

Character indicating slaughtering operations preceding establishment 973-C, Hygrade Food Products Corp., Philadelphia, should be removed, pages 30 and 46.

### NOTICES REGARDING MEAT INSPECTION

### Foreign Meat-Inspection Officials

Name and specimen signature of a foreign official who has been authorized by his national government to sign and issue foreign meat-inspection certificates for meat and meat food products exported to the United States.

Country and name		Signature
Switzerland  Dr. Paul Kappeli	Paul	Mappeli

<sup>1</sup> No sealed cars.

#### Name Removed from List

Name of a foreign official whose authority to sign and issue meat-inspection certificates for meat and meat food products exported to the United States has been revoked by his national government. Switzerland: Dr. M. Burgi.

### LABELING MEAT FOOD PRODUCTS CONTAINING ADDED GELATIN

In labeling meat food products to which gelatin is added under the Federal meat inspection service a distinction has been made between so-called packing-house gelatin (that is, gelatin prepared in the official establishment from inspected and passed product) and commercial gelatin.

In the future, however, no such distinction in labeling will be continued. Both types of gelatin will be regarded simply as gelatin, and permitted to be used under the instructions applicable to packing-house gelatin. All instructions in conflict with the foregoing are hereby revoked.

## ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, JULY, 1932

Station	Cattle	Calves	Sheep and lambs	Goats	Swine
Baltimore	6, 977	1, 410	5, 490		38, 658
Buffalo	6, 159	2, 320	7,700		46, 901
Chicago.	107, 036	25, 401	200, 181		420, 030
Cincinnati	12,716	4, 357	33, 772		57, 882
Cleveland	3, 049	4,016	(2)		27, 739 27, 1 <b>29</b>
Denver Detroit	5, 520 6, 252	1, 161 5, 912	7,351		61, 632
Fort Worth	17, 622	12,548	87, 193		17, 238
Kansas City	55, 742	18, 919	95, 702		196, 104
Los Angeles	9,069	2, 336	23, 294		20, 134
Milwaukee	15, 705	27, 809	7, 202		60, 785
National Stock Yards	37, 394	20, 596	81, 379		173, 020
New York	27, 242	49, 597	250, 000		(2)
Omaha	64, 577	3, 914	129, 147		170.984
Philadelphia	5, 185	7, 709	21, 599		58, 167
St. Louis 3	00.205	1 077	42.075		70, 980
Sioux CitySouth St. Joseph	20, 305 20, 475	1, 675 4, 907	43, 975 (2)		66. 141
South St. Joseph	38, 534	43, 948	37, 849		101, 948
Wichita	6, 704	1, 481	5, 704		42, 103
All other stations	147, 323	84, 399	346, 302	277	1, 144, 078
Total:					
July, 1932	613, 586	324, 415	1, 383, 840	277	2, 801, 653
July, 1931	706, 181	356, 207	1, 490, 673	334	2, 766, 639
7 months ended—	100, 202	000, 201			2, 100, 000
July, 1932	4, 386, 141	2, 673, 046	10, 398, 419	3, 477	27, 056, 728
July, 1931	4, 612, 076	2, 816, 248	9, 916, 186	3,068	25, 941, 273
New York, Brooklyn, Jersey City, and					
Newark 1	35, 257	56, 533	307, 653		137, 315
Horses slaughtered: July, 1932 July, 1931 7 months ended— July, 1932			·		7, 029 9, 860

<sup>1</sup> The slaughter figures in this group of cities are included in the figures above for "New York" and "All other stations" and are combined here to show total in the Greater New York district.

<sup>2</sup> Included in "All other stations."

<sup>3</sup> Included in National Stock Yards, Illinois.

Inspections of lard at all establishments, 113,620,156 inspection pounds; compound and other substitutes, 28,237,300 inspection pounds; sausage, 56,961,770 inspection pounds; oleomargarine, 4,458,142 inspection

Corresponding inspections for July, 1931: Lard, 123,854,871 inspection pounds; compound and other substitutes, 39,896,081 inspection pounds; sausage, 65,766,759 inspection pounds; oleomargarine, 5,580,407 inspection pounds.

These totals of inspection pounds do not represent actual production, as the same product may have been inspected and recorded more than once in the process of manufacture.)

## CAUSES OF CONDEMNATIONS OF CARCASSES, JUNE, 1932

Cause	Cattle	Calves	Sheep and lambs	Swine
Emaciation Hog cholera	335	83	95	18 343
Inflammatory diseases	810	171 74	324	1,917
Tuberculosis Other causes	2, 123 876	33 136	397	3, 133 3, 599
Total.	4, 144	497	816	9, 010

## IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS, JULY, 1932

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during July, 1932, with figures for other periods for comparison.

## Imports of food animals

	Cattle	Swine	Sheep	Goats
Mexico	4, 298 1, 508 196	258 3	173	
Total: July, 1932. July, 1931.	6, 002 7, 942	261 184	173 110	2
7 months ended— July, 1932. July, 1931.	60, 693 65, 937	1, 447 1, 173	1, 525 4, 495	28 18

## Imported meats and meat food products

	Fresh	and:	refrigerated	Cured and	Other meat	Total
Country of export	Beef O		Other	canned	products	weight
Argentina	Poun	ds	Pounds	Pounds 214, 964	Pounds 4, 144	Pounds 219, 108
Australia Brazil Canada New Zealand		831 377	284, 238 8, 996	49, 162 148, 210	167 180, 000 242, 165 4, 005	167 229, 162 717, 444 30, 378
Paraguay		50		60, 441 870, 625 13, 697	10, 080 87, 101	60, 441 880, 705 100, 848
Total: July, 1932 July, 1931 7 months ended—		258 244	293, 234 43, 893	1, 357, 099 1, 550, 538	527, 662 569, 369	2, 238, 253 2, 205, 044
July, 1932 July, 1931	280, 1, 214,	939 781	1, 154, 434 692, 558	13, 532, 193 11, 141, 764	1, 470, 981 3, 392, 754	16, 438, 547 16, 441, 857

Condemned July, 1932: Beef, 52 pounds; pork, 987 pounds; total, 1,039, pounds. Refused entry: Beef, 191 pounds; pork, 801 pounds; total, 992 pounds.

# SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, JULY, 1932

State or	tests d	Tuberculin tests during month		ified	То	tal to da	ite	Inspector in	
Terri- tory	Cattle tested	Cat- tle re- acted	coun		Once- tested- free herds	Ac- cred- ited herds	Herds under super- vision	charge	State official
			Num-	Per					
Ala Ariz Ark Calif Colo Conn	8, 134 807 4, 179 29, 312 78 8, 112	3 7 0 1, 405 0 437	ber 14 0 5 6 0	21 0 7 10 0 0	53, 122 8, 888 24, 146 14, 756 17 2, 492	317 46 10 119 54 6, 458	75, 709 9, 002 24, 156 16, 555 90 9, 300	F.L.Schneider W.A.McDonald W.E.Howe J.O.Wilson	C.A.Cary, Auburn. E.L.Stam, Phoenix. J.H.Bux, Little Rock. J.J.King, Sacramento. C.G.Lamb, Denver. Charles Johnson, Hart- ford.
Del D. C	3, 248 0	31 0	1	33 100	4, 958 43	1, 991 2	7, 366 46	E.B.Simonds	Ralph C. Wilson, Dover.
Fla Ga Idaho Ill	25, 786 19, 331 7, 309 95, 040	24 8 19 386	19 54 44 83	28 34 100 81	7, 607 103, 130 48, 109 82, 910	91 36 46 5, 748	7, 759 103, 175 51, 602 236, 239	W.C.Dendinger.	D. W. Robison, Spring-
Ind	15, 453	72	92	100	182, 541	2, 937	188, 298	H.Busman	field. Frank H. Brown, Indian- apolis.
Iowa		l i	70	71	100, 000	1, 393	200, 000		apolis. M. G. Thornburg, Des Moines.
Kans Ky	4, 669 11, 036	13 9	61 85	58 71	118, 620 117, 881	543 44	119, 164 120, 346	N.L.Townsend W.F.Biles	J.H.Mercer, Topeka. D. E. Westmorland, Frankfort.
La Me Md	2, 055 3, 824 18, 221	41 2 189	0 16 5	0 100 22	4, 517 42, 934 12, 514	12 870 12, 589	4, 781 43, 817 42, 431	B.F.Gooch G.R.Caldwell E.B.Simonds	E.P.Flower, Baton Rouge. H.M.Tucker, Augusta. James B. George, Balti-
Mass Mich Minn Miss	22, 097 19, 140 75, 224 642	264	1 83 60 10	7 100 69 12	8, 821 193, 094 134, 624 24, 506	4, 718 65 5, 205 15	15, 827 193, 294 141, 290 24, 529	E.A.Crossman T.S.Rich W.J.Fretz H.Robbins	E.F.Richardson, Boston. C.H.Clark, Lansing. C.E.Cotton, St.Paul. Charles E. O'Neal, Jack-
Mo	6, 716	12	22	19	115, 198	223	119, 386	Ralph Graham	H. A. Wilson, Jefferson City.
Mont Nebr Nev N. H N. J N. Mex_	3, 510 17, 306 236 3, 359 12, 576 4, 680	1 163 1,450	49 15 3	88 30	39, 853 88, 094 4, 372 8, 432 2, 789 5, 035	81 99 9 7, 264 8, 198 26	4, 681 16, 551 12, 542	A.H. Francis L.C. Butterfield _ E.A. Crossman _ Ellis E.McCoy_	W.J.Butler, Helena. H.L.Feistner, Lincoln. Edward Records, Reno. A.L.Felker, Concord. J.H.McNeil, Trenton. Mat Keenan, Albu-
N. Y N. C N. Dak. Ohio Okla	96, 010 1, 945 2, 900 45, 226 4, 465	0 11 164	100 53 88	100 100 100	65, 728	77, 767 330 5, 451 645 220	78, 066 242, 516	H.H.Cochenour. A.J.De Fosset	querque. E.T. Faulder, Albany. William Moore, Raleigh. W.F. Crewe, Bismarck. G.H. Pierce, Columbus. C. C. Hisel, Oklahoma City.
Oreg Pa R. I	15, 805 32, 194 2, 996	2,510	46	69	131, 082	999 7, 801 234	69, 115 154, 277 1, 358	J.B.Keldy	W.H.Lytle, Salem. T.E.Munce, Harrisburg. T. E. Robinson, Provi-
S. C S. Dak . Tenn Tex	2, 628 4, 111 26, 577 9, 906	38 24	1 28	9 30	70, 529 9, 515 113, 632 28, 920	117 886 66 246	113, 746	C.H.Hays H.L.Fry	dence. W.K.Lewis, Columbia. R.S.Robinson, Pierre. J.M.Jones, Nashville. N. F. Williams, Fort Worth.
Utah	7, 547	22	22	76	8, 339	112	8, 718	F.E.Murray	Lake City.
Vt		1	2 2						Edward H. Jones, Mont-   pelier.
Wash W. Va Wis	13, 675 16, 257 7, 335 85, 957	76 1	36 44	92	94, 209	82 632	96, 014	J.C.Exline H.M.Newton	H.C.Givens, Richmond. Robert Prior, Olympia. H.M.Gore, Charleston. Walter Wisnicky, Madi-
Wyo Hawaii_	698 1, 266		0			5	14, 230 525	W.A.Sullivan L.E.Case	son. H.D.Port, Cheyenne. L.E.Case, Honolulu.
Total.	892, 922	20, 856	1, 453	47	3, 065, 863	176, 032	3, 601, 899		

<sup>&</sup>lt;sup>1</sup> Not including part of 1 county. <sup>2</sup> Not including 60 towns.

## SUMMARY OF HOG-CHOLERA-CONTROL WORK, JULY, 1932

State	Bureau veteri- narians engaged in work <sup>1</sup>	Meet- ings ad- dressed	Premises investigated	Demons Num- ber	Hogs treated	Autop- sies	Out- breaks reported to bureau veteri- narians
Alabama Colorado Florida Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maryland Michigan Missouri Nebraska North Carolina Ohio Oklahoma South Dakota Tennessee Texas Washington Wisconsin	3 2 3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	69 8 8 8 82 1266 154 134 183 34 289 422 43 63 158 47 176 9 29 13 50 25 27	2 1 1 1 3 4 1 2 8	1, 208  77  69 30 7 581 590 50  84  237	3 5 1 87 25 99 15 6 2 28 15 9 14	1 12 4 4 73 88 2 2 10 2 14 13 2 2 25 101 10 3 4 13 2 2 2 2 2 2 1 14 13 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Total	29. 2	12	1, 943	72	2,968	46	425

<sup>&</sup>lt;sup>1</sup> Fractions denote veterinarians devoting part time to work.

### ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED UNDER LICENSES, JULY, 1932

Period	Total serum	Clear serum completed	Hyperim- mune blood cleared	Simultane- ous virus	Hyperimmu- nizing virus
July, 1932.	72 c	C c	C c	C c	C c
July, 1931.	93, 305, 673	81, 565, 034	75, 933, 741	6, 682, 158	12,875,690
7 months ended—	88, 723, 069	70, 344, 636	83, 445, 367	7, 888, 889	18,355,667
July, 1932.	737, 222, 832	648, 073, 693	768, 789, 838	31, 863, 950	135,789,898
July, 1931.	530, 019, 096	459, 210, 110	562, 559, 506	39, 706, 317	112,260,425

## LICENSES ISSUED FOR BIOLOGICAL PRODUCTS, JULY, 1932

License No. 5 was issued July 25, 1932, to Parke, Davis & Co., Parkedale Farm, Rochester, Mich., and foot of McDougall Avenue, Detroit, Mich. (mailing address, P. O. box 488, Detroit, Mich.), for: Anthrax vaccine; antianthrax serum; antibronchisepticus serum (canine); anti-influenza serum (equine); anti-white-scour serum (bovine); autogenous bacterin; blackleg aggressin; blackleg bacterin; blackleg filtrate; blackleg vaccine; colon bacterin (equine); equine-influenza mixed bacterin; hemorrhagic-septicemia bacterin; mallein; mastitis mixed bacterin (bovine); mixed antigen (canine); mixed bacterin (canine); mixed phylacogen (equine); normal horse serum; pneumonia phylacogen (equine); rabies vaccine: staphylococcus-streptococcus bacterin (canine): streptococcus rabies vaccine; staphylococcus-streptococcus bacterin (canine); streptococcus-

rables vaccine; staphylococcus-streptococcus bacterin (canine); streptococcus-staphylococcus bacterin (equine); tetanus antitoxin; tuberculin.

License No. 9 was issued July 15, 1932, to the Lederle Laboratories (Inc.),
Middletown Road, Pearl River, N. Y., for: Botulinus antitoxin (polyvalent).

License No. 17 was issued July 18, 1932, to the Beebe Laboratories (Inc.),
Larpenteur Avenue and White Bear car line, St. Paul, Minn. (mailing address,
Box 3174 Commercial Station), for: Fowl-pox vaccine.

NOTE. - No work reported from States not listed.

### LICENSES TERMINATED JULY, 1932

License No. 5, issued May 13, 1931, to Parke, Davis & Co., Parkedale Farm, Rochester, Mich., and foot of McDougall Avenue, Detroit, Mich., was terminated July 25, 1932, because of the discontinuance of production of mixed bacterin (bovine).

## PROCEEDINGS UNDER THE PACKERS AND STOCKYARDS ACT, AUGUST, 1932

Docket No. 384.—In re John L. Sullivan, dealer, Omaha, Nebr. On March 17, 1932, the Acting Secretary of Agriculture issued an inquiry, alleging that respondent had engaged in an unfair and unjustly discriminatory and deceptive practice and device in connection with the buying and selling of livestock in commerce. On July 1, 1932, a hearing was held. On August 17, 1932, respondent was ordered to cease and desist from the unfair and deceptive practice and device of selling livestock purchased through a clearing agency without truly and correctly accounting to such agency, and of misrepresenting in his inventory or otherwise to such agency the number of livestock sold by him and the number actually in his possession. Respondent was also suspended from registration as a dealer for a period of six months.

### RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

### Twenty-eight Hour Law

Chicago, Burlington & Quincy Railroad Co., \$100 penalty. Eric Railroad Co., \$100 penalty. Fort Worth Belt Railway Co., \$100 penalty. Great Northern Railway Co. (two cases), \$200 penalties. Missouri Pacific Railroad Co., \$100 penalty. New York Central Railroad Co., \$100 penalty. Southern Pacific Co. (three cases), \$300 penalties.

### Meat Inspection Law

Samuel Fishman, Brooklyn, N. Y., for offering uninspected meat for interstate shipment, \$250 fine.

### LUNCH HOUR AT BUREAU STATIONS

At all stations where the bureau office force includes more than one employee the offices must be kept open through the noon hour. This can readily be accomplished by staggering the lunch periods of employees. In case there is but one employee, the lunch period must be limited to one-half hour, preferably from 12 to 12.30. In any case the lunch period should be definitely fixed for the accommodation of the public. On Saturdays, in order to comply with the act providing for Saturday half holidays, such offices must be open at least four hours, exclusive of time for luncheon.

### FREE DISTRIBUTION OF PUBLICATIONS RESTRICTED

As a result of reduced funds for both new publications and reprints, the department has found it necessary to restrict rather drastically the free distribution of its publications. Their distribution at fairs and expositions has been discontinued entirely.

The bureau suggests that supplies of publications in field offices be conserved, so far as possible, by limiting distribution only to persons making specific requests for the information, or in cases when a publication is used as an adjunct to correspondence or personal interview. So far as funds and supplies permit, the bureau



will furnish its field offices with the more essential farmers' bulletins and other sources of information relating to field activities and general service to stock raising and agriculture. However, judicious conservation of available supplies is imperative; otherwise even the more essential bulletins dealing with disease control and other important bureau activities may become unavailable except by purchase from the Superintendent of Documents, Government Printing Office, Washington, D. C.

## DR. FREDERICK W. MEYST DIES

Dr. Frederick W. Meyst, for more than 25 years an employee of the bureau and an authority on labeling and other phases of meat inspection, died in Washington, D. C., August 1, following an extended illness. He was born in St. Cloud, Minn., in 1883. In 1906 he accepted an appointment in the Department of Agriculture and was assigned, at various times, to meat inspection at Chicago and South St. Paul. On May 1, 1912, he was placed in charge of the label section, meatinspection service, a position which involved approval of meat labels and supervision of the labeling of domestic and imported meat and meat food products.

### NEW PUBLICATIONS OF THE BUREAU

[The bureau keeps no mailing list for sending publications to individual employees but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Index-Catalogue of Medical and Veterinary Zoology, Part I. Authors: Aall to Azzolina. By Albert Hassall and Margie Potter, Zoological Division. Pp. 142. Amendment I to B. A. I. Order 337. Declaring Names of Counties Placed in Modified Accredited Area for Tuberculosis. Effective August 1, 1932. P. 1

(mimeographed).

B. A. I. Order 338. Revoking the Quarantine to Prevent the Spread of Footand-Mouth Disease in Cattle, Sheep, Other Ruminants, and Swine. Effective August 24, 1932. P. 1.

Extent of Bovine Tuberculosis in the United States. (Revised to June 1, 1932.) Poster and map showing distribution of the disease by counties in the United States. (Two colors.)

### ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

Chief: John R. Mohler. Associate Chief: U. G. HOUCK.
Assistant Chief: A. W. MILLER.
Administrative Officer: CHARLES C. CARROLL.
Chief Clerk: J. R. COHRAN.
Assistant to Chief: D. S. BURCH. Animal Husbandry Division: E. W. Sheets, chief. Division of Virus-Serum Control: U. G. Houck, chief. Division of Virus-Serum Control: D. I. Skidmore, chief. Field Inspection Division: G. W. Pope, chief. Meat Inspection Division: R. P. Steddom, chief. Meal Inspection Division: R. P. Steddom, chief.
Packers and Stockyards Division: A. W. Miller, chief.
Pathological Division: Harry W. Schoening, chief.
Tick Eradication Division: W. M. Mackellar, acting chief.
Tuberculosis Eradication Division: A. E. Wight, chief.
Zoological Division: Maurice C. Hall, chief.
Experiment Station: W. E. Cotton, superintendent.
Office of Accounts: George F. Tucker, in charge.
Office of Personnel: George R. Brown, in charge.

U. S. GOVERNMENT PRINTING OFFICE: 1932